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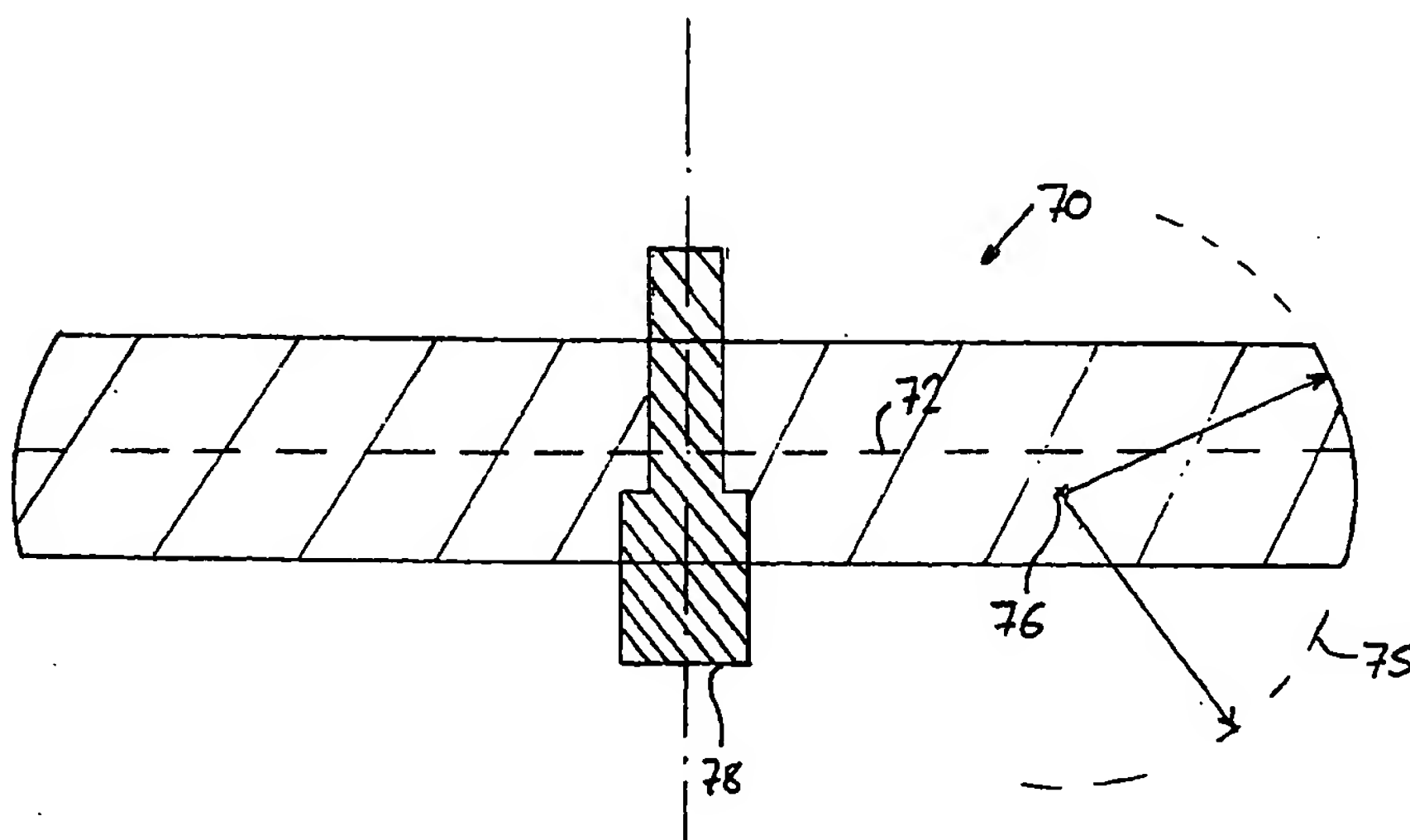
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(54) Title: ASYMMETRIC ROLLER CROWN



(57) Abstract: The present invention is concerned with the formation of rollers in a rollingtraction toroidal-race type of continuously variable ratio transmission device ("variator"). Specifically, it concerns variators of the "full-toridal" type in which the variator rollers (48) are permitted to adopt a position in which their centres are close to -or even coincident with - the center line of a toroidal cavity defined by races (30, 32, 42). It has been recognised that the roller centres do not, in such a variator, lie precisely upon the centre line of the variator cavities. Consequently in order to optimise roller performance there is provided, in accordance with the present invention, a roller (70) having an outer perimeter which, viewed in a sectional plane containing the roller axis, has a convex profile which is not symmetrical about any plane perpendicular to the roller axis.

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